

In re Patent Application of
NORDSTROM ET AL.
Serial No. 09/555,816
Filed: OCTOBER 10, 2000

In the Specification:

Please amend the paragraph beginning at page 2, line 18 as follows:

b1
--According to a second aspect of the present invention, there is provided a data descrambler, for use in a multi-carrier transmission system in which synchronization frame data is periodically transmitted from a transmitter to a receiver to measure transmission channel characteristics, and transmitted data is scrambled using a data scrambler as claimed in any of claims 1 to 4, characterized in that combiner means are provided to combine received data with frame synchronization data.--

b2
Please amend the paragraph beginning at page 3, line 20 as follows:

--User data maybe combined with frame synchronization data ~~by mean of~~ via an XOR function.--

b3
Please amend the paragraph beginning at page 5, line 24 as follows:

--The scrambled data is then passed to the ~~receive~~ transmitter where it is first processed by an Inverse Fast Fourier Transform unit, IFFT, converted from parallel form to serial form, passed to a digital to analogue converter, D/A,

In re Patent Application of
NORDSTROM ET AL.
Serial No. 09/555,816
Filed: OCTOBER 10, 2000

 prior to QAM modulation and transmission over the channel. Details of the multiplexing techniques and modulation techniques used in multi-carrier transmission systems will be familiar to those skilled in the art and are not described in detail in this patent specification.--